Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1085	715/500.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
L2	2471	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
L3	1991	715/529-531.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
L4	662	(LINK$3 OR HYPERLINK$3) POSITION (WEB ADJ PAGE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
L5	8	L4 DISPLAY$3 SECTION	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L6	1	L4 DISPLAY$3 SEGMENT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L7	12	automatic hypermedia link generation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	OFF	2006/02/03 16:51
L8	170	search$3 rank$3 servers document	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L9	1	L8 retriev$3 summary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L10	0	L8 retriev$3 abstract	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51

L11	101	catalog buy$3 (html or xml or markup)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L12	57	L11 product	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
L13	26	L12 server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:54
S1	22	(("5,768,580") or ("5,924,108") or ("5,918,240") or ("5,384,703") or ("5,077,668") or ("5,778,397") or ("4,358,824") or ("5,446,678") or ("5,867,164") or ("5,297,027") or ("5,960,383") or ("5,978,820") or ("5,815,830") or ("5,963,205") or ("6,128,635") or ("6,199,077B1") or ("5,050,071") or ("6,230,168B1") or ("5,873,107") or ("6,345,284") or ("6,460,034") or ("5,933,822") or ("5,761,666") or ("6,052,714")).PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2006/02/03 12:35
S2	3	(("5946678") or ("6199077") or ("6230168")).PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/04/29 07:34
S3	11	automatic hypermedia link generation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	OFF	2006/02/03 16:51
S4	35	SEARCH$3 RETRIEV$3 SUMMARY (WEB ADJ PAGE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 08:18
S5	525	(LINK$3 OR HYPERLINK$3) POSITION (WEB ADJ PAGE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 08:19
S6	6	S5 DISPLAY$3 SECTION	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50

S7	1	S5 DISPLAY$3 SEGMENT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
S8	23	S5 DISPLAY$3 PORTION	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 10:17
S9	2	("6742163").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 08:32
S10	959	715/500.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
S11	1972	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
S12	1783	715/529-531.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:50
S13	360	search$3 relevan$3 servers document	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 10:21
S14	5	S13 retriev$3 summary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 10:22
S15	6	S13 retriev$3 abstract	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 10:21
S16	129	search$3 rank$3 servers document	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2005/04/29 10:21

S17	0	S16 retriev$3 abstract	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
S18	1	S16 retriev$3 summary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
S19	101	catalog buy$3 (html or xml or markup)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 07:11
S20	57	S19 product	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 07:15
S21	26	S20 server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/02/03 16:51
S22	1	("6742163").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2006/02/03 12:35

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
1		US 2005024 0756 A1	20051027	System and method for improving the efficiency, comfort, and/or reliability in Operating Systems, such as for example Windows.	713/2	Mayer, Yaron				
5		US 6907574 B2	20050614	System and method of hyperlink navigation between frames	715/767	Xu; Qi et al.				

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
1		US 2006001 1716 A1	20060119	Internet-based method of and system for managing, distributing and serving consumer product related information to consumers in physical and electronic streams of commerce	235/375	Perkowski; Thomas J.				
2		US 2005025 1456 A1	20051110	Internet-based method of and system for managing and serving consumer product advertisements to consumers in retail stores	705/26	Perkowski, Thomas J.				
18		US 6961712 B1	20051101	Consumer product information request (CPIR) enabling servlets and web-based consumer product information catalogs employing the same	705/27	Perkowski; Thomas J.				

	1	Document ID	Issue Date	Title	Current OR	Inventor	2	3	4	5
19		US 6957186 B1	20051018	System method and article of manufacture for building, managing, and supporting various components of a system	705/1	Guheen; Michael F. et al.				

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Best 200 shown   Relevance scale ☐ ▱ ▬ ▬ ■

1 TextTiling: segmenting text into multi-paragraph subtopic passages   ■
Marti A. Hearst
March 1997 **Computational Linguistics**, Volume 23 Issue 1
Publisher: MIT Press
Full text available: 📄 pdf(2.46 MB) 📑 Additional Information: full citation, abstract, references, citings
Publisher Site
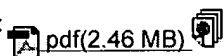
> TextTiling is a technique for subdividing texts into multi-paragraph units that represent
> passages, or subtopics. The discourse cues for identifying major subtopic shifts are
> patterns of lexical co-occurrence and distribution. The algorithm is fully implemented and
> is shown to produce segmentation that corresponds well to human judgments of the
> subtopic boundaries of 12 texts. Multi-paragraph subtopic segmentation should be useful
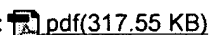> for many text analysis tasks, including information retrieval and ...

2 Adapting content to mobile devices: Fractal summarization for mobile devices to   ■
     access large documents on the web
Christopher C. Yang, Fu Lee Wang
May 2003 **Proceedings of the 12th international conference on World Wide Web**
Publisher: ACM Press
Full text available: 📄 pdf(317.55 KB)   Additional Information: full citation, abstract, references, index terms

> Wireless access with mobile (or handheld) devices is a promising addition to the WWW and
> traditional electronic business. Mobile devices provide convenience and portable access to
> the huge information space on the Internet without requiring users to be stationary with
> network connection. However, the limited screen size, narrow network bandwidth, small
> memory capacity and low computing power are the shortcomings of handheld devices.
> Loading and visualizing large documents on handheld devices bec ...

> **Keywords**: document summarization, fractal summarization, handheld devices, mobile
> commerce

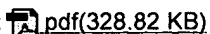**3** Industrial and practical experience track paper session 1: Ranking definitions with   ■
     supervised learning methods
Jun Xu, Yunbo Cao, Hang Li, Min Zhao
May 2005 **Special interest tracks and posters of the 14th international conference on
          World Wide Web**
Publisher: ACM Press
Full text available: 📄 pdf(328.82 KB)   Additional Information: full citation, abstract, references, index terms

This paper is concerned with the problem of definition search. Specifically, given a term, we are to retrieve definitional excerpts of the term and rank the extracted excerpts according to their likelihood of being good definitions. This is in contrast to the traditional approaches of either generating a single combined definition or simply outputting all retrieved definitions. Definition ranking is essential for the task. Methods for performing definition ranking are proposed in this paper, whi ...

Keywords: classification, ordinal regression, search of definitions, text mining, web mining, web search

4 Passage-level evidence in document retrieval

James P. Callan

August 1994 **Proceedings of the 17th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(805.57 KB)   Additional Information: full citation, references, citings, index terms, review

5 Summarization: Cross-document summarization by concept classification

Hilda Hardy, Nobuyuki Shimizu, Tomek Strzalkowski, Liu Ting, Xinyang Zhang, G. Bowden Wise

August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(246.03 KB)   Additional Information: full citation, abstract, references, citings, index terms

In this paper we describe a Cross Document Summarizer XDoX designed specifically to summarize large document sets (50-500 documents and more). Such sets of documents are typically obtained from routing or filtering systems run against a continuous stream of data, such as a newswire. XDoX works by identifying the most salient themes within the set (at the granularity level that is regulated by the user) and composing an extraction summary, which reflects these main themes. In the current version, ...

Keywords: clustering, multi-document summarization, n-grams, passage similarity, summary, term weights

6 On the measurement of inter-linker consistency and retrieval effectiveness in hypertext databases

David Ellis, Jonathan Furner-Hines, Peter Willett

August 1994 **Proceedings of the 17th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(1.04 MB)   Additional Information: full citation, references, citings, index terms, review

7 Abstracting of legal cases: the SALOMON experience

Marie-Francine Moens, Caroline Uyttendaele, Jos Dumortier

June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(1.24 MB)   Additional Information: full citation, references, citings, index terms

8 Web Clustering, filtering and applications: Narrative text classification for automatic key phrase extraction in web document corpora

Yongzheng Zhang, Nur Zincir-Heywood, Evangelos Milios

November 2005 **Proceedings of the 7th annual ACM international workshop on Web information and data management WIDM '05**

Publisher: ACM Press

Full text available: pdf(184.38 KB)   Additional Information: full citation, abstract, references, index terms

Automatic key phrase extraction is a useful tool in many text related applications such as clustering and summarization. State-of-the-art methods are aimed towards extracting key phrases from traditional text such as technical papers. Application of these methods on Web documents, which often contain diverse and heterogeneous contents, is of particular interest and challenge in the information age. In this work, we investigate the significance of narrative text classification in the task of auto ...

Keywords: acceptable percentage, key phrase extraction, narrative text classification

9 Multidocument summarization: An added value to clustering in interactive retrieval

Manuel J. Maña-López, Manuel De Buenaga, José M. Gómez-Hidalgo

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(199.91 KB)   Additional Information: full citation, abstract, references, index terms, review

A more and more generalized problem in effective information access is the presence in the same corpus of multiple documents that contain similar information. Generally, users may be interested in locating, for a topic addressed by a group of similar documents, one or several particular aspects. This kind of task, called instance or aspectual retrieval, has been explored in several TREC Interactive Tracks. In this article, we propose in addition to the classification capacity of clustering techn ...

Keywords: Multidocument summarization, topic segmentation

10 Selective text utilization and text traversal

Gerard Salton, James Allen

December 1993 **Proceedings of the fifth ACM conference on Hypertext**

Publisher: ACM Press

Full text available: pdf(1.20 MB)   Additional Information: full citation, references, citings, index terms

Keywords: automatic text linking, full-text access, global text comparisons, information retrieval, local context checking, passage retrieval, selective text reading, text analysis, text summarization

11 Beyond boolean search: FLEXICON, a legal tex-based intelligent system

Dephne Gelbart, J. C. Smith

May 1991 **Proceedings of the 3rd international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available: pdf(955.73 KB)   Additional Information: full citation, references, citings, index terms

12 ANNOD: a navigator of natural-language organized (textual) data

Robert E. Williamson

June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on**

Research and development in information retrieval
Publisher: ACM Press
Full text available: pdf(830.49 KB)   Additional Information: full citation, abstract, references

ANNOD is the name of a system developed at the National Library of Medicine (NLM), which implements a set of linguistic and empirical techniques that permit retrieval of natural language information in response to natural language queries. The system is based on Dr. Gerard Salton's SMART [1] document retrieval system and is presently implemented on a mini-computer as part of an Interactive TExt Management System, ITEMS.[2] Actual experience with retrieval of information from NLM's Hepatitis ...

13 Efficient web browsing on handheld devices using page and form summarization

January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1
Publisher: ACM Press

Full text available: pdf(4.47 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

We present a design and implementation for displaying and manipulating HTML pages on small handheld devices such as personal digital assistants (PDAs), or cellular phones. We introduce methods for summarizing parts of Web pages and HTML forms. Each Web page is broken into text units that can each be hidden, partially displayed, made fully visible, or summarized. A variety of methods are introduced that summarize the text units. In addition, HTML forms are also summarized by displaying just the t ...

Keywords: PDA, Personal digital assistant, WAP, WML, forms, handheld computers, mobile computing, summarization, ubiquitous computing, wireless computing

14 Summarization-based query expansion in information retrieval
Tomek Strzalkowski, Jin Wang, Bowden Wise
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 2 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2**
Publisher: Association for Computational Linguistics , Association for Computational Linguistics
Full text available: pdf(726.07 KB)
Publisher Site   Additional Information: full citation, abstract, references

We discuss a semi-interactive approach to information retrieval which consists of two tasks performed in a sequence. First, the system assists the searcher in building a comprehensive statement of information need, using automatically generated topical summaries of sample documents. Second, the detailed statement of information need is automatically processed by a series of natural language processing routines in order to derive an optimal search query for a statistical information retrieval sys ...

15 Complete formal model for information retrieval systems
Jean Tague, Airi Salminen, Charles McClellan
September 1991 **Proceedings of the 14th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(718.35 KB)   Additional Information: full citation, references, citings, index terms

16 Sequential thematic organization of publications: how to achieve coherence in proposals and reports
J. R. Tracey, D. E. Rugh, W. S. Starkey
August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3
Publisher: ACM Press
Full text available: pdf(3.80 MB)   Additional Information: full citation, index terms

17 <u>The effects of analysing cohesion on document summarisation</u> ■

Branimir K. Boguraev, Mary S. Neff

July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available: ⬛ <u>pdf(853.62 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

We argue that in general, the analysis of lexical cohesion factors in a document can drive a summarizer, as well as enable other content characterization tasks. More narrowly, this paper focuses on how one particular cohesion factor--simple lexical repetition---can enhance an existing sentence extraction summarizer, by enabling strategies for overcoming some particularly jarring end-user effects in the summaries, typically due to coherence degradation, readability deterioration, and topical unde ...

18 <u>Links for a better web: Enhanced web document summarization using hyperlinks</u> ■

◈ J.-Y. Delort, B. Bouchon-Meunier, M. Rifqi

August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and hypermedia**

Publisher: ACM Press

Full text available: ⬛ <u>pdf(167.88 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper addresses the issue of Web document summarization. As textual content of Web documents is often scarce or irrelevant and existing summarization techniques are based on it, many Web pages and websites cannot be suitably summarized. We consider the context of a Web document by the textual content of all the documents linking to it. To summarize a target Web document, a context-based summarizer has to perform a preprocessing task, during which it will be decided which pieces of informati ...

Keywords: context, hyperlinks, summarization, web document

19 <u>Seeing the whole in parts: text summarization for web browsing on handheld devices</u> ■

◈ Orkut Buyukkokten, Hector Garcia-Molina, Andreas Paepcke

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

Full text available: ⬛ <u>pdf(1.48 MB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: PDA, WAP, handheld computers, mobile computing, personal digital assistant, summarization, ubiquitous computing, wireless computing

20 <u>Improving the browsing experience: A comparative web browser (CWB) for browsing and comparing web pages</u> ■

◈ Akiyo Nadamoto, Katsumi Tanaka

May 2003 **Proceedings of the 12th international conference on World Wide Web**

Publisher: ACM Press

Full text available: ⬛ <u>pdf(230.19 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In this paper, we propose a new type of Web browser, called the Comparative Web Browser(CWB), which concurrently presents multiple Web pages in a way that enables the content of the Web pages to be automatically synchronized. The ability to view multiple Web pages at one time is useful when we wish to make a comparison on the Web, such as when we compare similar products or news articles from different newspapers. The CWB is characterized by (1) automatic content-based retrieval of passages from ...

Keywords: comparison, content synchronization, passage retrieval, web browser

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next

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Best 200 shown   Relevance scale ☐ ▭ ▬ ▬ ■ ■

21 Knowledge and representation: Leveraging a common representation for personalized search and summarization in a medical digital library   ■
Kathleen R. McKeown, Noemie Elhadad, Vasileios Hatzivassiloglou
May 2003 **Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries**
Publisher: IEEE Computer Society

Full text available: 🗏 pdf(116.18 KB)   Additional Information: full citation, abstract, references, citings, index terms

Despite the large amount of online medical literature, it can be difficult for clinicians to find relevant information at the point of patient care. In this paper, we present techniques to personalize the results of search, making use of the online patient record as a sophisticated, pre-existing user model. Our work in *PERSIVAL*, a medical digital library, includes methods for re-ranking the results of search to prioritize those that better match the patient record. It also generates summa ...

22 A loosely-coupled integration of a text retrieval system and an object-oriented database system   ■
◈ W. Bruce Croft, Lisa A. Smith, Howard R. Turtle
June 1992 **Proceedings of the 15th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press

Full text available: 🗏 pdf(854.18 KB)   Additional Information: full citation, abstract, references, citings, index terms

Document management systems are needed for many business applications. This type of system would combine the functionality of a database system, (for describing, storing and maintaining documents with complex structure and relationships) with a text retrieval system (for effective retrieval based on full text). The retrieval model for a document management system is complicated by the variety and complexity of the objects that are represented. In this paper, we describe an approach to compl ...

23 The rhetorical parsing of unrestricted texts: a surface-based approach   ■
Daniel Marcu
September 2000 **Computational Linguistics**, Volume 26 Issue 3
Publisher: MIT Press
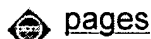
Full text available: 🗏 pdf(3.87 MB) ▤   Additional Information: full citation, abstract, references
Publisher Site

Coherent texts are not just simple sequences of clauses and sentences, but rather complex artifacts that have highly elaborate rhetorical structure. This paper explores the

extent to which well-formed rhetorical structures can be automatically derived by means of surface-form-based algorithms. These algorithms identify discourse usages of cue phrases and break sentences into clauses, hypothesize rhetorical relations that hold among textual units, and produce valid rhetorical structure trees for ...

24 Description and Analysis: Using web structure for classifying and describing web pages

Eric J. Glover, Kostas Tsioutsiouliklis, Steve Lawrence, David M. Pennock, Gary W. Flake
May 2002 **Proceedings of the 11th international conference on World Wide Web**
Publisher: ACM Press

Full text available: pdf(136.12 KB)   Additional Information: full citation, abstract, references, citings, index terms

The structure of the web is increasingly being used to improve organization, search, and analysis of information on the web. For example, Google uses the text in citing documents (documents that link to the target document) for search. We analyze the relative utility of document text, and the text in citing documents near the citation, for classification and description. Results show that the text in citing documents, when available, often has greater discriminative and descriptive power than th ...

Keywords: SVM, anchortext, classification, cluster naming, entropy based feature extraction, evaluation, web directory, web structure

25 Cross-lingual C*ST*RD: English access to Hindi information

Anton Leuski, Chin-Yew Lin, Liang Zhou, Ulrich Germann, Franz Josef Och, Eduard Hovy
September 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 3
Publisher: ACM Press
Full text available: pdf(210.61 KB)   Additional Information: full citation, abstract, references, index terms

We present C*ST*RD, a cross-language information delivery system that supports cross-language information retrieval, information space visualization and navigation, machine translation, and text summarization of single documents and clusters of documents. C*ST*RD was assembled and trained within 1 month, in the context of DARPA's Surprise Language Exercise, that selected as source a heretofore unstudied language, Hindi. Given the brief time, we could not create deep Hindi capabilities for all th ...

Keywords: Cross-language information retrieval, Hindi-to-English machine translation, headline generation, information retrieval and information space navigation, single- and multi-document text summarization

26 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

27 Creating and evaluating multi-document sentence extract summaries

Jade Goldstein, Vibhu Mittal, Jaime Carbonell, Jamie Callan
November 2000 **Proceedings of the ninth international conference on Information and**

knowledge management
Publisher: ACM Press
Full text available: 📄 pdf(186.89 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

28 <u>A system for discovering relationships by feature extraction from text databases</u> ■
Jack G. Conrad, Mary Hunter Utt
August 1994 **Proceedings of the 17th annual international ACM SIGIR conference on**
        Research and development in information retrieval
Publisher: Springer-Verlag New York, Inc.
Full text available: 📄 pdf(911.76 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>,
                                                                    <u>review</u>

29 <u>HyPursuit: a hierarchical network search engine that exploits content-link hypertext</u> ■
    <u>clustering</u>
Ron Weiss, Bienvenido Vélez, Mark A. Sheldon
March 1996 **Proceedings of the the seventh ACM conference on Hypertext**
Publisher: ACM Press
Full text available: 📄 pdf(2.00 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

30 <u>XML retrieval: Configurable indexing and ranking for XML information retrieval</u> ■
Shaorong Liu, Qinghua Zou, Wesley W. Chu
July 2004 **Proceedings of the 27th annual international ACM SIGIR conference on**
        Research and development in information retrieval SIGIR '04
Publisher: ACM Press
Full text available: 📄 pdf(362.38 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u>
                                                                    <u>terms</u>

Indexing and ranking are two key factors for efficient and effective XML information
retrieval. Inappropriate indexing may result in false negatives and false positives, and
improper ranking may lead to low precisions. In this paper, we propose a configurable XML
information retrieval system, in which users can configure appropriate index types for XML
tags and text contents. Based on users' index configurations, the system transforms XML
structures into a compact tree representation, Ctree, and ...

Keywords: XML indexing, XML information retrieval, XML ranking, ranking

31 <u>Systems: University of Durham: description of the LOLITA system as used in MUC-6</u> ■
Richard Morgan, Roberto Garigliano, Paul Callaghan, Sanjay Poria, Mark Smith, Chris Cooper
November 1993 **Proceedings of the 6th conference on Message understanding MUC6**
        '95
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(1.13 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

This document describes the LOLITA system and how it was extended to run the four MUC
tasks, discusses the resulting system's performance on the required "walk-through"
article, and then considers the performance of this system on the final evaluation set.

32 <u>Summarization: Topic themes for multi-document summarization</u> ■
Sanda Harabagiu, Finley Lacatusu
August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on**
        Research and development in information retrieval SIGIR '05
Publisher: ACM Press
Full text available: 📄 pdf(245.85 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The problem of using topic representations for multi-document summarization (MDS) has received considerable attention recently. In this paper, we describe five different topic representations and introduce a novel representation of topics based on topic themes. We present eight different methods of generating MDS and evaluate each of these methods on a large set of topics used in past DUC workshops. Our evaluation results show a significant improvement in the quality of summaries based on topic ...

Keywords: summarization, topic themes

33 Getting and giving information: What is this text about?

Nicolas Hernandez, Brigitte Grau
October 2003 **Proceedings of the 21st annual international conference on Documentation**
Publisher: ACM Press
Full text available: pdf(229.96 KB)   Additional Information: full citation, abstract, references, index terms

Most work in text retrieval aims at presenting the information held by several texts in order to give entry clues towards these texts and to allow a navigation between them. Besides, a lesser interest is dedicated to the definition of principles for accessing content of single documents. As most information retrieval systems return documents from an initial request made of words, a usual solution consists of presenting document titles and highlighting words of the request inside a passage or in ...

Keywords: dynamic summarization, meta-descriptors and topical descriptors identification, text structure, text visualization

34 Querying structured documents with hypertext links using OODBMS

V. Christophides, A. Rizk
September 1994 **Proceedings of the 1994 ACM European conference on Hypermedia technology**
Publisher: ACM Press

Full text available: pdf(1.32 MB)   Additional Information: full citation, abstract, references, citings, index terms

Hierarchical logical structure and hypertext links are complementary and can be combined to build more powerful document management systems. Previous work exploits this complementarity for building better document processors, browsers and editing tools, but not for building sophisticated querying mechanisms. Querying in hypertext has been a requirement since [19] and has already been elaborated in many hypertext systems, but has not yet been used for hypertext systems superimposed on an und ...

Keywords: hypertexts, information retrieval, object oriented databases, path expressions, query languages, structured documents

35 Assistive technologies for individuals with visual impairments I: Gist summaries for visually impaired surfers

Simon Harper, Neha Patel
October 2005 **Proceedings of the 7th international ACM SIGACCESS conference on Computers and accessibility Assets '05**
Publisher: ACM Press
Full text available: pdf(2.19 MB)   Additional Information: full citation, abstract, references, index terms

Anecdotal evidence suggests that Web document summaries provide the sighted reader with a basis for making decisions regarding the route to take within non-linear text; and additional research shows that sighted people use 'Gist' summaries as decision points to bolster their browsing behaviour. Other studies have found that visually impaired users are hindered in their cognition of the content of Web-pages because users must wait for an entire Web-page to be read before deciding on it's usefulne ...

Keywords: document engineering, tools, visual impairment, web

36 Text classification: Web-page classification through summarization

Dou Shen, Zheng Chen, Qiang Yang, Hua-Jun Zeng, Benyu Zhang, Yuchang Lu, Wei-Ying Ma
July 2004 **Proceedings of the 27th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '04**
Publisher: ACM Press

Full text available: pdf(225.80 KB)   Additional Information: full citation, abstract, references, index terms, review

Web-page classification is much more difficult than pure-text classification due to a large variety of noisy information embedded in Web pages. In this paper, we propose a new Web-page classification algorithm based on Web summarization for improving the accuracy. We first give empirical evidence that ideal Web-page summaries generated by human editors can indeed improve the performance of Web-page classification algorithms. We then propose a new Web summarization-based classification algorithm ...

Keywords: content body, web page categorization, web page summarization

37 1a---Links and Navigation: The look of the link - concepts for the user interface of extended hyperlinks

Harald Weinreich, Hartmut Obendorf, Winfried Lamersdorf
September 2001 **Proceedings of the twelfth ACM conference on Hypertext and Hypermedia**
Publisher: ACM Press

Full text available: pdf(307.01 KB)   Additional Information: full citation, abstract, references, citings, index terms

The design of hypertext systems has been subject to intense research. Apparently, one topic was mostly neglected: how to visualize and interact with link markers.

This paper presents an overview of pragmatic historical approaches, and discusses problems evolving from sophisticated hypertext linking features. Blending the potential of an XLink-enhanced Web with old ideas and recent GUI techniques, a vision for browser link interfaces of the future is being developed. We hope to stimula ...

Keywords: Web, XLink, distributed hypertext, link marker, user interface

38 Case-based reasoning: Automatic summarisation of legal documents

Claire Grover, Ben Hachey, Ian Hughson, Chris Korycinski
June 2003 **Proceedings of the 9th international conference on Artificial intelligence and law**
Publisher: ACM Press

Full text available: pdf(323.69 KB)   Additional Information: full citation, abstract, references

We report on the SUM project which applies automatic summarisation techniques to the legal domain. We describe our methodology whereby sentences from the text are classified according to their rhetorical role in order that particular types of sentence can be extracted to form a summary. We describe some experiments with judgments of the House of Lords: we have performed automatic linguistic annotation of a small sample set and then hand-annotated the sentences in the set in order to explore the ...

39 Search 1: Expert agreement and content based reranking in a meta search environment using Mearf

B. Uygar Oztekin, George Karypis, Vipin Kumar
May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(509.92 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Recent increase in the number of search engines on the Web and the availability of meta search engines that can query multiple search engines makes it important to find effective methods for combining results coming from different sources. In this paper we introduce novel methods for reranking in a meta search environment based on expert agreement and contents of the snippets. We also introduce an objective way of evaluating different methods for ranking search results that is based upon implici ...

Keywords: collection fusion, expert agreement, merging, meta search, reranking

40 <u>Summarization: Generic summarization and keyphrase extraction using mutual reinforcement principle and sentence clustering</u>
Hongyuan Zha
August 2002 **Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press

Full text available: pdf(191.05 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

A novel method for *simultaneous* keyphrase extraction and generic text summarization is proposed by modeling text documents as weighted undirected and weighted bipartite graphs. Spectral graph clustering algorithms are useed for partitioning sentences of the documents into topical groups with sentence link priors being exploited to enhance clustering quality. Within each topical group, saliency scores for keyphrases and sentences are generated based on a mutual reinforcement principle. The ...

Keywords: bipartite graph, graph partitioning, keyphrase extraction, mutual reinforcement principle, singular value decomposition, text summarization

Useful downloads: <u>Adobe Acrobat</u>   <u>QuickTime</u>   <u>Windows Media Player</u>   <u>Real Player</u>

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Results 41 - 60 of 200   Result page: previous 1 2 **3** 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ▮ ■

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41 DOCUMENTS: an interactive online solution to four documentation problems   ■

T. R. Girill, Clement H. Lulc
May 1983 **Communications of the ACM**, Volume 26 Issue 5
Publisher: ACM Press

Full text available: 📄 pdf(1.14 MB)   Additional Information: full citation, abstract, references, citings, index terms

An adequate delivery system for user documentation addresses the problems of easy access, versatile publication, convenient administration, and good document quality. At the National Magnetic Fusion Energy Computer Center the DOCUMENT program helps solve these problems by providing a high level of service through strategies that can readily be exported to other contexts. Dividing machine-readable documents into keyword windows permits fully online, subject-oriented ...

Keywords: help packages, information retrieval, keywords, online catalogs, user assistance, user interfaces

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42 Information retrieval: Learning from relevant documents in large scale routing retrieval   ■

K. L. Kwok, L. Grunfeld
March 1994 **Proceedings of the workshop on Human Language Technology HLT '94**
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(557.01 KB)   Additional Information: full citation, abstract, references

The normal practice of selecting relevant documents for training routing queries is to either use all relevants or the 'best n' of them after a (retrieval) ranking operation with respect to each query, Using all relevants can introduce noise and ambiguities in training because documents can be long with many irrelevant portions. Using only the 'best n' risks leaving out documents that do not resemble a query. Based on a method of segmenting documents into more uniform size subdocuments, a better ...

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43 IRIS hypermedia services   ■

Bernard J. Haan, Paul Kahn, Victor A. Riley, James H. Coombs, Norman K. Meyrowitz
January 1992 **Communications of the ACM**, Volume 35 Issue 1
Publisher: ACM Press

Full text available: 📄 pdf(5.66 MB)   Additional Information: full citation, references, citings, index terms, review

Keywords: IRIS hypermedia services, hypermedia, hypertext, intermedia

44 Designing theory-based systems: a case study

John B. Smith, Marcy Lansman
June 1992 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press

Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, index terms

In this paper, we discuss principles for designing and testing computer systems intended to support users' thinking as they perform open-ended or ill-defined tasks. We argue that such systems inherently and inevitably implement a model of users' cognitive behaviors. Making that model explicit can provide system developers with guidance in taking design decisions. However, both model and system must be tested and refined. We discuss these principles in relation to a case study in which our g ...

Keywords: cognitive models, cognitive modes and strategies, system design, task analysis, user testing

45 Building efficient and effective metasearch engines

Weiyi Meng, Clement Yu, King-Lup Liu
March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1
Publisher: ACM Press

Full text available: pdf(416.07 KB)   Additional Information: full citation, abstract, references, citings, index terms

Frequently a user's information needs are stored in the databases of multiple search engines. It is inconvenient and inefficient for an ordinary user to invoke multiple search engines and identify useful documents from the returned results. To support unified access to multiple search engines, a metasearch engine can be constructed. When a metasearch engine receives a query from a user, it invokes the underlying search engines to retrieve useful information for the user. Metasearch engines have ...

Keywords: Collection fusion, distributed collection, distributed information retrieval, information resource discovery, metasearch

46 Document structure and content analysis 1: Structuring documents according to their table of contents

Hervé Déjean, Jean-Luc Meunier
November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**
Publisher: ACM Press

Full text available: pdf(544.22 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we present a method for structuring a document according to the information present in its Table of Contents. The detection of the ToC as well as the determination of the parts it refers to in the document body rely on a series of generic properties characterizing any ToC, while its hierarchization is achieved using clustering techniques. We also report on the robustness and performance of the method before discussing it, in light of related work.

Keywords: document structuring, table of contents recognition

47 Experiments with list ranking for explicit multi-threaded (XMT) instruction parallelism

Dascal Vishkin, Uzi Vishkin
December 2000 **Journal of Experimental Algorithmics (JEA)**, Volume 5

Publisher: ACM Press

Full text available: pdf(347.52 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u>
ps(382.86 KB)   <u>terms</u>

Algorithms for the problem of list ranking are empirically studied with respect to the Explicit Multi-Threaded (XMT) platform for instruction-level parallelism (ILP). The main goal of this study is to understand the differences between XMT and more traditional parallel computing implementation platforms/models as they pertain to the well studied list ranking problem. The main two findings are: (i) good speedups for much smaller inputs are possible and (ii) in part, the first finding i ...

48 <u>Special issue on knowledge representation</u>

Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70

Publisher: ACM Press

Full text available: pdf(13.13 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

49 <u>What makes the differences: benchmarking XML database implementations</u>

Hongjun Lu, Jeffrey Xu Yu, Guoren Wang, Shihui Zheng, Haifeng Jiang, Ge Yu, Aoying Zhou
February 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 1

Publisher: ACM Press

Full text available: pdf(589.14 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

XML is emerging as a major standard for representing data on the World Wide Web. Recently, many XML storage models have been proposed to manage XML data. In order to assess an XML database's abilities to deal with XML queries, several benchmarks have also been proposed, including XMark and XMach. However, no reported studies using those benchmarks were found that can provide users with insights on the impacts of a variety of storage models on XML query performance. In this article, we report our ...

Keywords: XML query processing, XML storage model, benchmark

50 <u>Industry/government track paper: Deriving marketing intelligence from online</u>
<u>discussion</u>

Natalie Glance, Matthew Hurst, Kamal Nigam, Matthew Siegler, Robert Stockton, Takashi Tomokiyo
August 2005 **Proceeding of the eleventh ACM SIGKDD international conference on Knowledge discovery in data mining KDD '05**

Publisher: ACM Press

Full text available: pdf(629.35 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Weblogs and message boards provide online forums for discussion that record the voice of the public. Woven into this mass of discussion is a wide range of opinion and commentary about consumer products. This presents an opportunity for companies to understand and respond to the consumer by analyzing this unsolicited feedback. Given the volume, format and content of the data, the appropriate approach to understand this data is to use large-scale web and text data mining technologies.This paper ar ...

Keywords: computational linguistics, content systems, information retrieval, machine learning, text mining

51 Topic-based browsing within a digital library using keyphrases

Steve Jones, Gordon Paynter
August 1999 **Proceedings of the fourth ACM conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(266.18 KB)   Additional Information: full citation, references, citings, index terms

Keywords: automated hypertext generation, information exploration, information retrieval, keyphrase extraction

52 Special issue: AI in engineering

D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

53 Hypertext, full text, and automatic linking

J. H. Coombs
December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(1.46 MB)   Additional Information: full citation, abstract, references, citings, index terms

Current computing systems typically support only mid-century information structures: simple hierarchies. Hypertext technologies enable users to impose many structures on document sets and, consequently, provide many paths to desired information, but they require that users work their way through some structure. Full-text search eliminates this requirement by ignoring structure altogether. The search strategy can also be restricted to work within specified contexts. The architecture provided ...

54 Summarization and question answering: Using librarian techniques in automatic text summarization for information retrieval

Min-Yen Kan, Judith L. Klavans
July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(1.15 MB)   Additional Information: full citation, abstract, references, citings, index terms

A current application of automatic text summarization is to provide an overview of relevant documents coming from an information retrieval (IR) system. This paper examines how Centrifuser, one such summarization system, was designed with respect to methods used in the library community. We have reviewed these librarian expert techniques to assist information seekers and codified them into eight distinct strategies. We detail how we have operationalized six of these strategies in Centrifuser by c ...

Keywords: automatic text summarization, information retrieval user interfaces, reference librarian techniques

55 Search 2: Evaluating strategies for similarity search on the web

Taher H. Haveliwala, Aristides Gionis, Dan Klein, Piotr Indyk
May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(268.54 KB)   Additional Information: full citation, abstract, references, citings, index terms

Finding pages on the Web that are similar to a query page (Related Pages) is an important component of modern search engines. A variety of strategies have been proposed for answering Related Pages queries, but comparative evaluation by user studies is expensive, especially when large strategy spaces must be searched (e.g., when tuning parameters). We present a technique for automatically evaluating strategies using Web hierarchies, such as Open Directory, in place of user feedback. We apply this ...

Keywords: evaluation, open directory project, related pages, search, similarity search

56 Classification and browsing: A language modelling approach to relevance profiling for document browsing

David J. Harper, Sara Coulthard, Sun Yixing

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: pdf(236.31 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes a novel tool, SmartSkim, for content-based browsing or skimming of documents. The tool integrates concepts from passage retrieval and from interfaces, such as TileBars, which provide a compact overview of query term hits within a document. We base our tool on the concept of relevance profiling, in which a plot of retrieval status values at each word position of a document is generated. A major contribution of this paper is applying language modelling to the task of relevance ...

Keywords: browsing and reading appliances, e-books, information retrieval, language modeling, user interfaces, visualization

57 Expressiveness of structured document query languages based on attribute grammars

Frank Neven, Jan Van Den Bussche

January 2002 **Journal of the ACM (JACM)**, Volume 49 Issue 1

Publisher: ACM Press

Full text available: pdf(405.27 KB)   Additional Information: full citation, abstract, references, citings, index terms

Structured document databases can be naturally viewed as derivation trees of a context-free grammar. Under this view, the classical formalism of attribute grammars becomes a formalism for structured document query languages. From this perspective, we study the expressive power of BAGs: Boolean-valued attribute grammars with propositional logic formulas as semantic rules, and RAGs: relation-valued attribute grammars with first-order logic formulas as semantic rules. BAGs can express only unary qu ...

Keywords: Attribute grammars, automata, complexity, logic, structured documents

58 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: pdf(987.69 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last

decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

59 Automatic generation of concise summaries of spoken dialogues in unrestricted domains

Klaus Zechner

September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(209.67 KB)   Additional Information: full citation, abstract, references, index terms

Automatic summarization of open domain spoken dialogues is a new research area. This paper introduces the task, the challenges involved, and presents an approach to obtain automatic extract summaries for multi-party dialogues of four different genres, without any restriction on domain. We address the following issues which are intrinsic to spoken dialogue summarization and typically can be ignored when summarizing written text such as newswire data: (i) detection and removal of speech disfl ...

60 WEST: a Web browser for small terminals

Staffan Björk, Lars Erik Holmquist, Johan Redström, Ivan Bretan, Rolf Danielsson, Jussi Karlgren, Kristofer Franzén

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Publisher: ACM Press

Full text available: pdf(173.07 KB)   Additional Information: full citation, abstract, references, citings, index terms

We describe WEST, a WEb browser for Small Terminals, that aims to solve some of the problems associated with accessing web pages on hand-held devices. Through a novel combination of text reduction and focus+context visualization, users can access web pages from a very limited display environment, since the system will provide an overview of the contents of a web page even when it is too large to be displayed in its entirety. To make maximum use of the limited resources available on a typica ...

Keywords: WAP (wireless application protocol), flip zooming, focus+context visualization, hand-held devices, proxy systems, text reduction, web browser